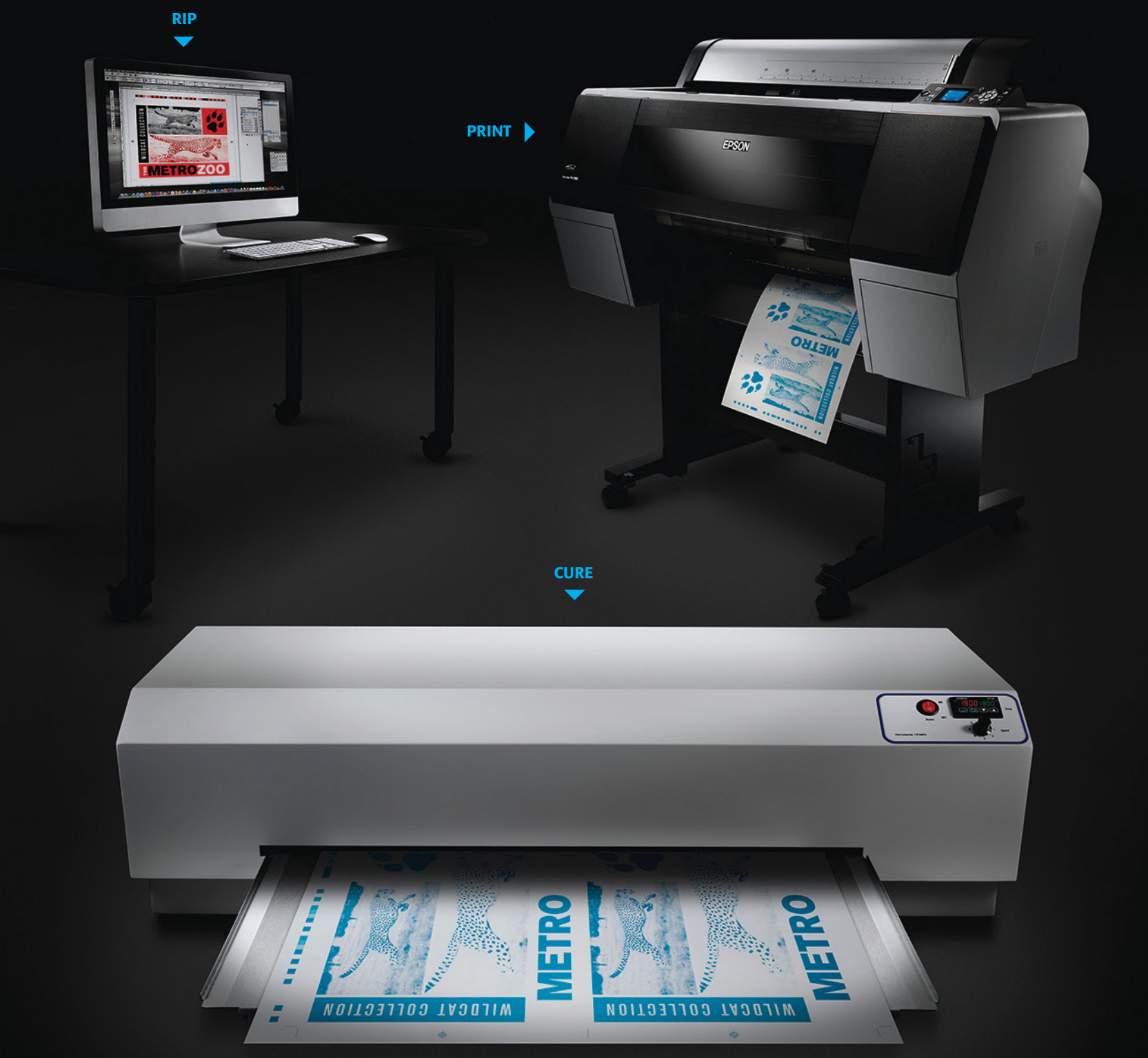
EPSON
EXCEED YOUR VISION

Epson Stylus® Pro 7900 CTP

REDEFINING THE FUTURE OF COMPUTER TO PLATE

The Epson Stylus Pro 7900 Computer to Plate System



The Epson Stylus Pro 7900 CTP system includes the Epson Stylus Pro 7900 printer, a fully featured EFI® eXpress CTP RIP, the Plate Curing Unit, 110 ml starter ink cartridges and sample plates – virtually everything is included; just provide a computer!

Epson is Known for Redefining the Way the Printing Industry Does Business

We've forever changed the way contract-quality proofs are produced for both commercial and flexographic prints. And now, Epson has developed an entirely new method for producing true aluminum lithographic printing press plates.

Introducing the All-New Epson Stylus Pro 7900 Computer to Plate System

Representing a new way of producing aluminum printing press plates, the Epson Stylus Pro 7900 Computer to Plate (CTP) system incorporates our latest achievements in high-resolution ink jet technology, along with a new aluminum press plate developed specifically for Epson. The result? A new generation CTP solution that will dramatically lower your plate production costs, while delivering amazing print quality on press.

Epson DirectPlate Aluminum — The Future of CTP

Epson DirectPlate technology is an all-new high-resolution aluminum press plate, chemically coated to work with our standard Epson UltraChrome® HDR Ink technology. Capable of press resolutions up to 175 lpi, Epson DirectPlate technology is capable of press runs of up to 20,000 impressions. And no chemicals or messy processing is required. It doesn't get any easier than this.

Consistent. Reliable. Economical.

Epson DirectPlate technology will match or even exceed the final press quality you're used to, while providing your printing business with a consistent and reliable true aluminum press plate workflow.

And because each plate is produced using our latest high-resolution ink jet printing technology, your total investment costs, daily production, and monthly maintenance expenses are either eliminated or dramatically reduced. You'll never go back to polyester plates again.

The Complete Solution

Unlike other CTP solutions, the Epson Stylus Pro 7900 CTP system comes complete. It includes the Epson Stylus Pro 7900 printer, modified for easy plate loading, the Plate Curing Unit, an EFI front-end CTP RIP workflow and even a starter set of inks and plates. It's quite possibly the easiest way to acquire a true aluminum CTP solution for your printing business.

And because no special inks are required, the Epson Stylus Pro 7900 CTP can also be used to make high-quality press proofs, imposition proofs and even high-quality, short-run posters using the same device.

The Best Way to Acquire a True Aluminum Computer to Plate Solution

Imagine a computer to plate solution that's actually a joy to use. Imagine no more chemicals to deal with, no more processor maintenance and no more expensive monthly electrical and maintenance bills. Imagine freeing up more shop floor space and now having the ability to print high-quality proofs and posters. Imagine final press print quality that will blow your customers away. And imagine producing true aluminum press plates at a significantly lower total cost of ownership than your current polyester solution.

All supported by one company — Epson.

ON PRESS

Why Epson CTP Will Change Your Printing Business Forever

Superior Final Press Output

- Extremely sharp text and line art
- Perfect for 1- and 2-color print jobs
- Better solids than typical polyester plates
- Amazing 4-color process up to 175 lpi
- Capable of press runs up to 20,000 impressions

Chemical-Free

- No chemical processing required
- Complete water-based plate-making system
- Safer for the environment and worker health

Affordable

- Significantly reduced capital investment
- Complete solution with nothing else to buy except on-going consumables — ink and plates
- Final cost per plate is cheaper than most polyester plates you're making today
- Dramatically reduced electrical, maintenance and service expenses
- Virtually zero downtime — extremely robust printing technology

Easier to Use and Maintain

- Simple aluminum plate and ink cartridge loading
- Epson printer automatically cleans and maintains itself
- Utilizes standard Epson UltraChrome HDR Ink cartridges
- No messy processor to clean up or maintain

Supported by the Leader in Professional Printing

- Entire solution is completely supported by Epson — including the Printer, Plate Curing Unit, and EFI eXpress CTP RIP
- World-class technical support and service from a brand you can trust

A Better Press Plate

- Epson ensures every DirectPlate is consistent, predictable and reliable with rigorous quality assurance
- Extremely smooth surface for superior water retention

Superior Press Compatibility

- Your press was made for true aluminum — not polyester
- No more 'plate creep' or stretching on longer runs
- Faster make-ready than with typical polyester plates
- Able to see the actual plate image before running on press

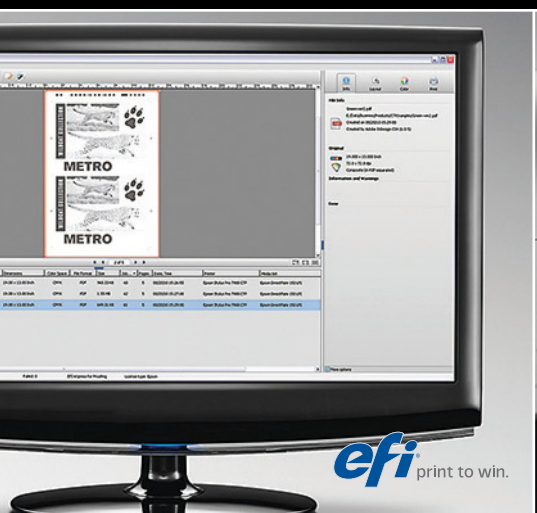
Smaller Floor Space Requirements

- Designed to be pushed up against a wall
- Utilizes significantly less shop floor space than a typical polyester plate setter and processor

Produces More Than Just Aluminum Press Plates

- Produce Epson DirectPlate — Aluminum plates, contract-quality color proofs, and up to 24-inch wide color posters, all from the same device
- Bring true contract-quality color proofing in-house
- Easily expand your current color print offerings
- Superior return on investment

EFI eXpress CTP RIP Workflow
Developed specifically for Epson, EFI has created a new-generation CTP RIP ready for your future workflows.



Simple. Fast. High-Resolution Platemaking.
Simply load an Epson DirectPlate – Aluminum sheet into the Epson printer. Your plate is printed in about 6 to 9 minutes.

Chemical-Free Processing
Simple-to-use Plate Curing Unit quickly cures Epson ink to our printing plate for up to 20,000 impressions.

The Total Computer to Plate Solution

Epson DirectPlate — Aluminum Technology

- High-performance true aluminum lithographic press plate
- Unique hydrophilic plate coating technology designed specifically for imaging with Epson UltraChrome HDR Ink
- Printing plates are produced by simply printing them on the Epson Stylus Pro 7900 printer
- Press resolutions up to 175 lpi
- Durable press runs — up to 20,000 impressions
- Extremely sharp text and line art — with amazing solid fills and clean halftones
- Perfect for typical 1- or 2-color print jobs — great 4-color process as well
- Environmentally safe — no chemicals or processor required
- Compatible with virtually every press wash and fountain solution designed for typical polyester plates
- Available in standard cut sheets — 6 or 8 mil thick, depending upon press model
- Available in virtually all popular press sheet sizes for superior press compatibility

Epson Stylus Pro 7900 Computer to Plate Printer

- Based on a standard Epson Stylus Pro 7900 24-inch wide printer
- Capable of producing up to 24-inch wide aluminum press plates
- Easy-to-use Plate Guide to accurately load and register Epson DirectPlate — Aluminum sheets
- Capable of producing from 7 to 12 two-up plates per hour at either 133 lpi, 150 lpi or 175 lpi
- Uses standard Epson UltraChrome HDR Ink cartridges in 150 ml, 350 ml, or 700 ml sizes for optimal cost management
- Produces aluminum press plates, contract-quality color proofs, and even 24-inch wide posters using the same device

Plate Curing Unit

- Completely cures the printed Epson DirectPlate — Aluminum before it's loaded into the press
- After curing, Epson DirectPlate — Aluminum technology can produce up to 20,000 impressions
- Simple single-plate loading — up to 8 mil thick — up to 24 inches wide
- Able to cure a printed two-up Epson DirectPlate — Aluminum sheet in about six minutes
- Uses typical 220 V power for maximum electrical efficiency
- Virtually silent and maintenance-free operation

EFI eXpress CTP RIP for Epson

- All-new high-performance CTP RIP server designed specifically for the Epson Stylus Pro 7900 CTP system
- Latest Adobe® PostScript® 3 with PDF Print Engine 2.0 support
- Produces high-quality press plate separations up to 175 lpi
- Uses standard high-quality AM screening technology for easy press registration and make-ready
- Fast previewing of actual plate separations
- Easily process composite files, pre-separated files, or print separations directly from your software application
- Produces press plates, contract-quality color proofs and photographic posters
- Compatible with the latest Adobe and Quark® software applications
- Extremely easy to use with an intuitive user interface
- Comprehensive job management tools including powerful spot color management
- Supports virtually all modern file formats including PDF, PS, EPS, TIFF, DCS, JPEG, etc.
- Compatible with the latest Apple® Macintosh® and Microsoft® Windows® operating systems

Uncompromising Final Press Output
1- and 2-color print jobs look amazing up to 175 lpi. With great quality 4-color process when required.

Epson UltraChrome HDR Ink Technology
High-performance pigmented ink technology for durable press plates and color accurate proofs.

Produce More Than Just Press Plates
Also print contract-quality color proofs or posters up to 24 inches wide from the same device.

Epson Stylus Pro 7900 CTP System Specifications

Printing Technology
Advanced MicroPiezo® TFP® print head
with ink repelling coating technology
10-channel, drop-on-demand, ink jet print head
11-cartridge (O, G, C, Lc, VM, VLm, Y, Lk, LLk + PK or MK)
Auto head alignment and cleaning technology
Auto sharing black ink channel
Epson UltraChrome HDR Ink technology
Professional-level pigment-based ink technology

Nozzle Configuration
Color and Monochrome — 360 nozzles x 10

Droplet Technology
Smallest droplet size — 3.5 picoliters
Variable Droplet Technology produces up to three different droplet sizes per print line

Resolutions (Posters and Proofs)
2880 x 1440 dpi; 1440 x 1440 dpi; 1440 x 720 dpi; 720 x 720 dpi; 720 x 360 dpi; 360 x 360 dpi

Print Engine Speed (Posters and Proofs)[A]
16" x 20" prints from 2:53 to 7:14 – Normal is 3:47
20" x 30" prints from 5:03 to 12:52 – Normal is 6:39

Print Engine Speed (Plates)[A]
From 7 to 12 – 13" x 19" plates per hour

Acoustic Noise Level
Approximately 50 dB(A) according to ISO 7779

Operating Systems Supported
Macintosh	Leopard 10.5 or higher Snow Leopard 10.6 or higher
Windows	Windows Vista® and XP, and Windows 7 (both 32-bit and 64-bit supported)

Printer Interfaces
Includes as standard one Hi-Speed USB 2.0 (1.1 compatible) and one Ethernet port (10/100Base-T)

EFI Server System Requirements
Processor	2 GHz Intel® Core 2 Duo or better
Memory	4GB
Hard Disk (C:)	500GB (a fast 1TB drive recommended)
OS	Windows XP, Windows Vista (32-bit), Windows 7 (32-bit) or Macintosh OS 10.5.x or higher

EFI Client System Requirements
Windows	XP, Vista, Windows 7 (32-bit only)
Macintosh	10.5.x or higher

Dimensions
7900 Printer	54" (W) x 27" (D) x 48" (H) Weight: 187 lb
Plate Curing Unit	33" (W) x 16" (D) x 10.5" (H) Weight: 40 lb

Dimensions and weight include printer stand. A table is recommended for the Plate Curing Unit.

Power Requirements
7900 Printer	110 V power
Plate Curing Unit	220 V power-L620P plug type

Note: L620R (receptacle) is needed to accommodate the L620P (plug)

Printable Area
Maximum paper width	24"
Maximum printable width	24.16"
Left and right margins	0 to 3 mm each (0.24" total)
Maximum printable length	Limited by application, OS, and driver/RIP used
Minimum paper width	210 mm (8.27")

Media Handling
Media input	Single roll up to 24" width
Cut-sheet size	Up to 24" wide media (auto-loading)
Plate size	Up to 24" wide (manual loading)
Media core compatibility	User-adjustable roll media adapters accept either 2" or 3" media cores
Max. roll media diameter	6" (when using a 3" core)
Media weight	12 lb bond (0.8 mm), up to 1.5 mm posterboard
Minimum sheet size	210 mm x 279 mm/8.27" x 11"
Built-in media cutter	Rotary cutting, automatic and manual (paper only)

Epson Intelligent Pressurized Ink Cartridges[B]
Starter cartridge fill volume	110 ml x 11 total colors (used for initial fill at setup)
Replacement cartridge fill volume	150 ml, 350 ml or 700 ml, each color x 11 colors total
Ink cartridge shelf life (recommended)	2 years from production date or 6 months after open

Lightfastness Ratings[C]
Epson UltraChrome HDR Ink	Color:	Up to 200 years
	B&W:	Over 200 years

PreciseColor™ Manufacturing
In order to ensure consistent printing between multiple Epson Stylus Pro printers of the same model, Epson has refined the manufacturing process to include colorimetric calibration. This process evaluates and adjusts each printer's performance at the manufacturing stage, ensuring consistent color output from printer to printer and print to print.

What's In the Box?
Epson Stylus Pro 7900 printer, Plate Curing Unit (PCU), Plate Guide, EFI eXpress CTP RIP for Epson, set of 110 ml ink cartridges, 10 sample plates, power cables and printer documentation.

A Based upon print engine speed only. Total throughput times depend upon front-end RIP, file size, printer resolution, ink coverage, networking, etc. Normal Mode based on SuperFine – 1440 dpi. Plate speeds are based upon a 13" x 19" (full bleed) plate size at 1440 x 1440 unidirectional printing.

B Cartridge yields vary considerably for reasons including images printed, print settings, temperature and humidity. Yields may be lower when printing infrequently or predominantly with one ink color. A variable amount of ink remains in the cartridge after the "replace cartridge" signal. Part of the ink from the first cartridges is used for priming the printer. Ink is used for both printing and print head maintenance. All inks are used for both black and color printing. For more information about cartridges see www.epson.com/cartridgeinfo

C Ink lightfastness rating based on accelerated testing of prints on specialty media displayed indoors under glass. Actual print stability will vary according to media, printed image, display conditions, light intensity, humidity and atmospheric conditions. Epson does not guarantee longevity of prints. For maximum print life, display all prints under glass or lamination or properly store them. Ratings are not applicable to plates. Visit www.wilhelm-research.com for the latest information.

D Additional plate sizes may be available. Contact your dealer if your plate size is not listed.

Product/Accessories	Part Numbers
Epson Stylus Pro Printer	SP7900CTP
Large Plate Accessory Kit	CTPGUIDEXL
Additional Roll Media Adapters – Pair	C12C811241
Replacement Printer Cutter Blade	C12C815331
Replacement Ink Maintenance Tank	C12C890191

Extended Service Programs
Additional One-year Epson Preferred℠ Plus service	EPPCTPB1
Additional Two-year Epson Preferred Plus service	EPPCTPB2

Epson UltraChrome HDR Ink	(150 ml)	(350 ml)	(700 ml)
Photo Black ink cartridge	T642100	T596100	T636100
Cyan ink cartridge	T642200	T596200	T636200
Vivid Magenta ink cartridge	T642300	T596300	T636300
Yellow ink cartridge	T642400	T596400	T636400
Light Cyan ink cartridge	T642500	T596500	T636500
Vivid Light Magenta ink cartridge	T642600	T596600	T636600
Light Black ink cartridge	T642700	T596700	T636700
Matte Black ink cartridge	T642800	T596800	T636800
Light Light Black ink cartridge	T642900	T596900	T636900
Orange ink cartridge	T642A00	T596A00	T636A00
Green ink cartridge	T642B00	T596B00	T636B00

Epson DirectPlate – Aluminum[D]
(in)	(mm)	Thickness	Part Numbers
13 3/16 x 19 3/32	335 x 485	.06	S045194
12 3/4 x 18 1/2	324 x 470	.06	S045195
13 3/8 x 19 7/8	340 x 505	.06	S045196
14 9/16 x 17 3/4	370 x 451	.06	S045197
15 3/4 x 20 1/8	400 x 511	.06	S045198
22 x 26 1/2	559 x 673	.08	S045199
18 1/16 x 20 11/16	335 x 525	.08	S045200
12 x 18	335 x 457	.06	S045201
11 3/4 x 18	335 x 457	.06	S045202
15 3/4 x 18 1/2	335 x 470	.06	S045203
23 13/16 x 29 1/8	335 x 740	.08	S045204
15 x 18	335 x 457	.06	S045205
11 x 18	335 x 457	.06	S045206
11 x 18 1/2	335 x 470	.06	S045207
13 x 19 3/8	335 x 492	.06	S045208
11 1/4 x 18 1/2	335 x 470	.06	S045209

For more details, visit our website at:
www.proimaging.epson.com

Better Products for a Better Future℠

For more information on Epson's environmental programs, go to eco.epson.com

EPSON
EXCEED YOUR VISION

Epson America, Inc.: 3840 Kilroy Airport Way, Long Beach, CA 90806
Epson Canada, Ltd.: 3771 Victoria Park Avenue, Toronto, Ontario M1W 3Z5
Internet website: **www.proimaging.epson.com**

Specifications and terms are subject to change without notice. Epson, Epson Stylus, Epson UltraChrome, MicroPiezo and TFP are registered trademarks, Epson Exceed Your Vision is a registered logomark and Better Products for a Better Future is a trademark of Seiko Epson Corporation. PreciseColor is a trademark and Epson Preferred and myEpsonPrinter.com are service marks of Epson America, Inc. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2010, Epson America, Inc. CPD 33021 25K 10/10 XX